ABSTRACT

Layers of slurry of dielectric powder are deposited one after another on a substrate through jet print technology to constitute a shaped article of dielectric layers. A predetermined region of the shaped article is bound with a binder to construct a photonic crystal having a three-dimensional structure. The jet print technology is free from limitation on the materials to be used therein, and broadens the configuration latitude in the photonic crystal produced. Photonic crystals having a controlled dielectric constant are easy to obtain through the technology.